L Number	Hits	Search Text	DB	Time stamp
1	0	347/63-65.ccls. and 347/68-72.ccls. and "PTFE"	USPAT;	2004/08/18 13:45
'	٠	547705-05.0018. and 547700-72.0018. and 1-11-0	EPO; JPO	2004/00/10 10.40
		247/F6 65 and 247/69 72 and and "DTFF"		2004/00/40 42:45
2	0	347/56-65.ccls. and 347/68-72.ccls. and "PTFE"	USPAT;	2004/08/18 13:45
_	_		EPO; JPO	0004/00/40 40 40
3	3	347/56-65.ccls. and 347/68-72.ccls. and (thermal near	USPAT;	2004/08/18 13:46
		expansion)	EPO; JPO	
4	0	347/56-65.ccls. and 347/68-72.ccls. and (high near	USPAT;	2004/08/18 13:47
		coefficient)	EPO; JPO	
5	126	347/\$.ccls. and piezoelectric and thermal and (high near	USPAT;	2004/08/18 14:09
]		coefficient)	EPO; JPO	
6	13	(347/\$.ccls. and piezoelectric and thermal and (high near	USPAT;	2004/08/18 13:47
		coefficient)) not silverbrook-\$.in.	EPO; JPO	•
7	5	347/\$.ccls. and (high near coefficient near expansion)	USPAT;	2004/08/18 14:12
`	_	,	EPO; JPO	
8	0	(thermal near printhead\$1) and (high near coefficient near	USPAT;	2004/08/18 14:13
		expansion)	EPO; JPO	
9	0	printhead\$1 and (high near coefficient near expansion)	USPAT;	2004/08/18 14:13
"	0	primitieady i and (high flear coefficient flear expansion)	EPO; JPO	2004/00/10 14:10
10	1204	high near coefficient near evacuation	USPAT;	2004/08/18 14:14
10	1284	high near coefficient near expansion	EPO; JPO;	2007/00/10 14.14
]				
44		(high and a 40 47 to 12	DERWENT	2004/00/40 44:20
11	51	(high near coefficient near expansion) and (347/\$.ccls.	USPAT;	2004/08/18 14:36
		216/\$.ccls. 29/\$.ccls.)	EPO; JPO;	
			DERWENT	
12	1	jp404001051a	USPAT;	2004/08/18 14:19
			EPO; JPO;	
			DERWENT	
13	4	\	USPAT	2004/08/18 14:34
14	2 .	6543884.pn.	USPAT;	2004/08/18 14:38
			EPO; JPO;	
		,	DERWENT	
15	12	("4789425"   "4864329"   "4866461"   "4894664"   "5016024"	USPAT	2004/08/18 14:37
		"5198834"   "5322594"   "5463411"   "5489930"   "5638101"		
		"5648806" j "5710070").PN.		
16	695	347/65.ccls. not silverbrook-\$.in.	USPAT;	2004/08/18 14:39
			EPO; JPO;	
			DERWENT	
17	50	(347/65.ccls. not silverbrook-\$.in.) and (thermal near	USPAT;	2004/08/18 14:39
		expansion)	EPO; JPO;	
			DERWENT	
18	36	(347/65.ccls. not silverbrook-\$.in.) and (thermal near	USPAT;	2004/08/18 14:52
		expansion near coefficient)	EPO; JPO;	
			DERWENT	
19	2	5877791.pn.	USPAT;	2004/08/18 14:53
			EPO; JPO;	
			DERWENT	
20	2	5989445.pn.	USPAT;	2004/08/18 14:53
		·	EPO; JPO;	
1	1		DERWENT	
-	447	347/54	USPAT;	2004/08/17 18:31
		,, ,	EPO; JPO	
_	6	"4819009"	USPAT;	2000/09/19 13:57
			EPO; JPO	
_	70055	electromag\$ and coil	USPAT;	2000/09/20 17:06
			EPO; JPO	
-	375000	piston or plunger	USPAT:	2000/09/20 17:07
	]		EPO; JPO	
_	9	(347/54) and (electromag\$ and coil) and (piston or plunger)	USPAT;	2000/09/20 17:17
			EPO; JPO	
1_	50	(347/\$.ccls.) and (electromag\$ and coil) and (piston or	USPAT;	2000/09/20 17:17
1	1	plunger)	EPO; JPO	
_	1191	magnetostrictive adj (material or actuator)	USPAT;	2000/09/22 12:43
1	''"	magnitionities and (material of actuator)	EPO; JPO	
	L	<u> </u>	, _, _, _,	L

-	145447	magnetic adj field	USPAT; EPO; JPO	2000/09/22 09:53
-	663	(magnetostrictive adj (material or actuator)) and (magnetic adj field)	USPAT; EPO; JPO	2000/09/22 14:49
-	5	347/\$.ccls. and ((magnetostrictive adj (material or actuator)) and (magnetic adj field))	USPAT; EPO; JPO	2000/09/22 14:48
-	3	magnetostrictive adj (paddle or diaphragm)	USPAT;	2000/09/22 14:47
<b>-</b> .	108	terfenol-D	EPO; JPO USPAT; EPO; JPO	2000/09/22 14:48
-	0	347/\$.ccls. and ((magnetostrictive adj (material or actuator))	USPAT;	2000/09/22 14:49
-	60	and (magnetic adj field)) and terfenol-D (magnetostrictive adj (material or actuator)) and (magnetic adj field) and terfenol-D	EPO; JPO USPAT; EPO; JPO	2000/09/22 15:30
-	39	motamedi-\$.in.	USPAT; EPO; JPO	2000/09/22 15:30
-	10544	sma or (shape adj memory adj alloy)	USPAT; EPO; JPO	2000/09/25 15:00
-	489	martensitic adj phase	USPAT; EPO; JPO	2000/09/25 12:13
-	587	austenitic adj phase	USPAT; EPO; JPO	2000/09/25 12:14
-	1	((sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 12:14
-	101	(sma or (shape adj memory adj alloy)) and (martensitic adj phase) and (austenitic adj phase)	USPAT; EPO; JPO	2000/09/25 12:20
-	3925	sma or (shape adj memory adj alloy) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 15:00
-	65	(sma or (shape adj memory adj alloy)) and 347/\$.ccls.	USPAT; EPO; JPO	2000/09/25 15:03
-	4	actuator and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)	USPAT; EPO; JPO	2000/09/25 15:05
-	3	ejector and ((sma or (shape adj memory adj alloy)) and 347/\$.ccls.)	USPAT; EPO; JPO	2000/09/25 15:06
-	9	"0634273"	USPAT; US-PGPUB; EPO; JPO;	2003/09/21 16:42
-	3991177	ep "634273" a2	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/09/21 16:43
-	10	"634273"	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/09/21 16:43
-	4	"6557977"	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/22 08:13
-	0	silverbrook-\$.in and (nozzle near (guard\$3 protect\$3))	USPAT; EPO; JPO	2004/08/02 17:57
-	108	silverbrook-\$.in. and (nozzle near (guard\$3 protect\$3))	USPAT; EPO; JPO	2004/08/02 17:57
-	29	(silverbrook-\$.in. and (nozzle near (guard\$3 protect\$3))) and 347/54.ccls.	USPAT; EPO; JPO	2004/08/02 18:31
-	159	(MEMS near (substrate\$1 nozzle\$1 chamber\$1))	USPAT; EPO; JPO	2004/08/17 18:40
-	22	((MEMS near (substrate\$1 nozzle\$1 chamber\$1))) and 347/\$.ccls.	USPAT; EPO; JPO	2004/08/02 18:33
-	11	("1941001"   "3373437"   "3416153"   "3946398"   "4346387"   "4894664"   "5812159"   "5825385"   "5880759"   "6079821"	USPAT	2004/08/02 18:35
-	1	"6312112").PN. 6247790.pn.	USPAT; EPO; JPO	2004/08/17 18:35

-	0	MEMS same substrate\$1 same CMOS same (fluid near	USPAT;	2004/08/17 18:37
		channel\$1)	EPO; JPO	l
-	26	"MEMS" and (substrate\$1 same "CMOS") and (fluid near	USPAT;	2004/08/17 18:37
		channel\$1)	EPO; JPO	
-	1466	((MEMS microelectro\$) near (substrate\$1 nozzle\$1	USPAT;	2004/08/17 18:41
		chamber\$1))	EPO; JPO	
-	33	(((MEMS microelectro\$) near (substrate\$1 nozzle\$1	USPAT;	2004/08/17 18:49
		chamber\$1))) and 347/\$.ccls.	EPO; JPO	
-	1	5989445.pn.	USPAT;	2004/08/17 18:52
	_		EPO; JPO	
-	6	[ ("3921916"   "4455192"   "5308442"   "5385635"   "5585827"	USPAT	2004/08/17 18:52
		"5588597").PN.		
-	714	347/65.ccls.	USPAT;	2004/08/17 18:53
			EPO; JPO	
-	27	347/65.ccls. and "MEMS"	USPAT;	2004/08/17 18:58
			EPO; JPO	
-	1	5828394.pn.	USPAT;	2004/08/18 08:41
		0740000	EPO; JPO	0004/00/40 00:44
-	1	6712986.pn.	USPAT;	2004/08/18 08:14
		5000004 mm and (management) mm about	EPO; JPO	0004/00/40 40:00
-	1	5828394.pn. and (paper medium sheet)	USPAT;	2004/08/18 10:26
	2074	247/0 and and (minus alooksis as well (the second benefit) by the left of	EPO; JPO	2004/00/49 40/27
<del>-</del>	3871	347/\$.ccls. and (piezoelectric same (thermal heat\$3 bubble\$1	USPAT;	2004/08/18 10:27
	3694	actuator\$1))	EPO; JPO	2004/09/19 10:29
-	3094	(347/\$.ccls. and (piezoelectric same (thermal heat\$3	USPAT; EPO; JPO	2004/08/18 10:28
	420	bubble\$1 actuator\$1))) not silverbrook-\$.in. ((347/\$.ccls. and (piezoelectric same (thermal heat\$3	USPAT:	2004/08/18 11:29
-	420	bubble\$1 actuator\$1))) not silverbrook-\$.in.) and (conductive	EPO; JPO	2004/00/10 11.29
		resistive) and (high with coefficient expansion)	Li 0, 0i 0	
_	6	(((347/\$.ccls. and (piezoelectric same (thermal heat\$3	USPAT;	2004/08/18 11:30
		bubble\$1 actuator\$1))) not silverbrook-\$.in.) and (conductive	EPO; JPO	200 1700710 111.00
		resistive) and (high with coefficient expansion) ) and	2. 0, 0. 0	
		serpentine		
<u>-</u>	18	347/63-65.ccls. and kodak	USPAT;	2004/08/18 11:21
			EPO; JPO	
_	28	347/63-65.ccls. and 347/68-72.ccls.	USPAT;	2004/08/18 13:44
			EPO; JPO	
<del>-</del>	1	(347/63-65.ccls. and 347/68-72.ccls.) and (thermal with	USPAT;	2004/08/18 11:28
		actuator\$1)	EPO, JPO	
-	295	347/\$.ccls. and (thermal with actuator\$1) and piezoelectric	USPAT;	2004/08/18 11:29
		and (thermal bubble heat\$3)	EPO; JPO	
-	196	(347/\$.ccls. and (thermal with actuator\$1) and piezoelectric	USPAT;	2004/08/18 11:29
	Ì	and (thermal bubble heat\$3)) and (conductive resistive) and	EPO; JPO	
	•	(high with coefficient expansion)		
-	1	1 ((/ + / /	USPAT;	2004/08/18 11:30
		and (thermal bubble heat\$3)) and (conductive resistive) and	EPO; JPO	
		(high with coefficient expansion) ) and serpentine) not		
		silverbrook-\$.in.		0004/00/40 44 55
-	48	1 // / /	USPAT;	2004/08/18 11:30
		and (thermal bubble heat\$3)) and (conductive resistive) and	EPO; JPO	
		(high with coefficient expansion) ) and serpentine		